B mass spectrum

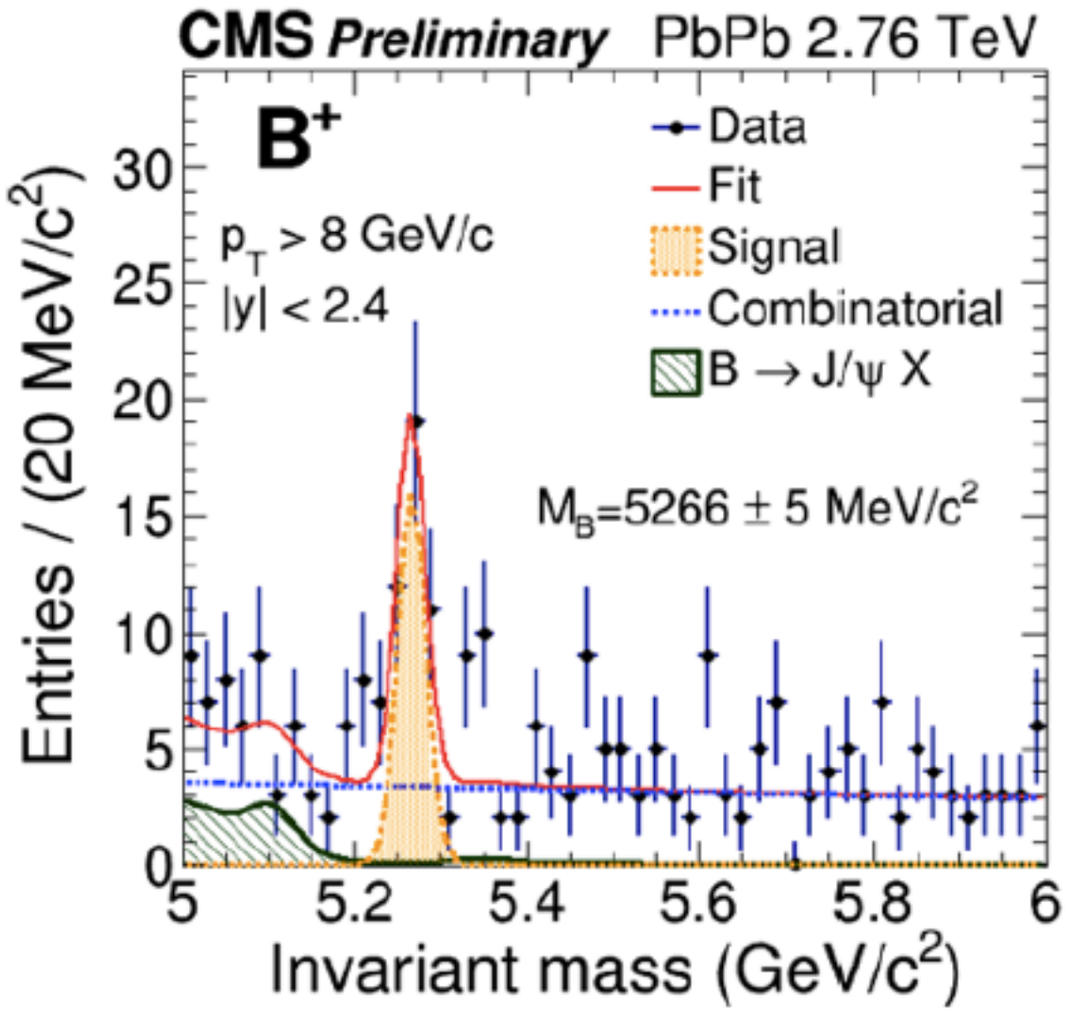
KiSoo Lee

test of fitB.C

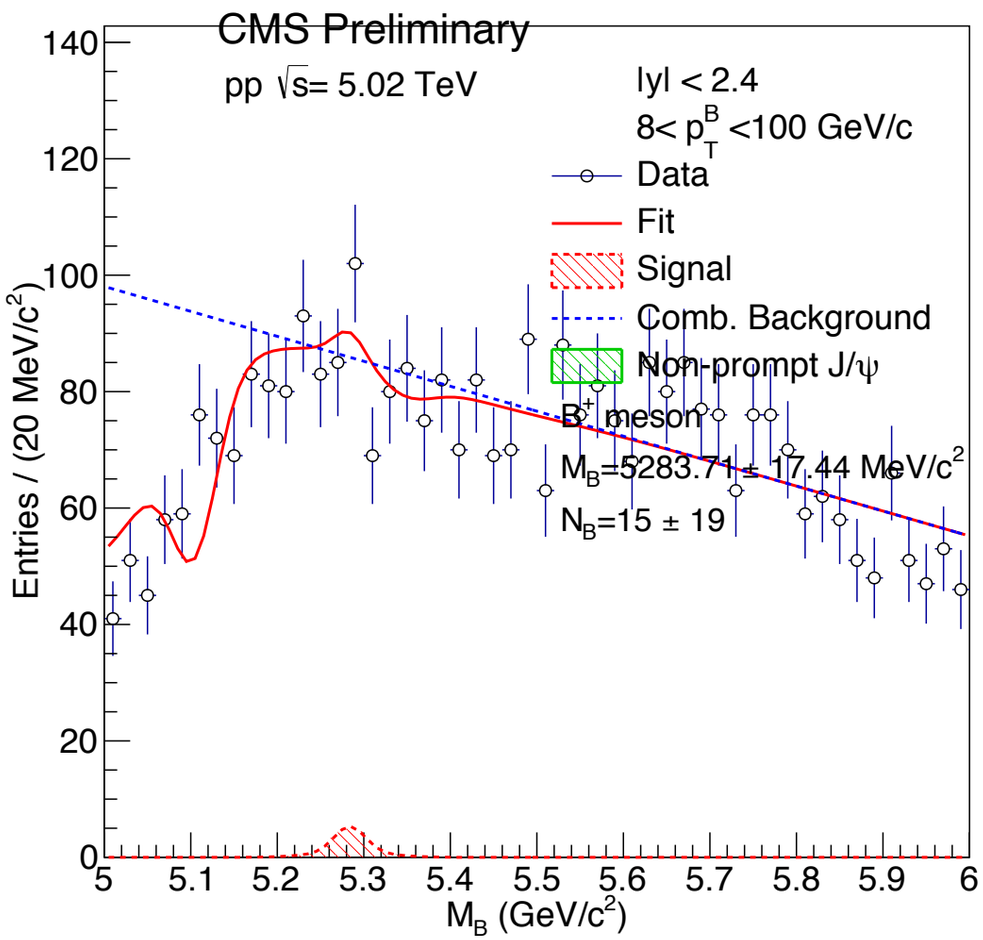
- Data: /data/wangj/Data2015/Bntuple/ntB_20151214_HIOniaL1DoubleMu0_BfinderData_PbPb_20151209_bPt5jpsiPt0tkPt1_Evt_All.root

B chi2 > 0.0132	B pt > 8
d0/d0Err > 3.41	J/ψ pt> 5
cos(alpha) > -0.346	muon pt > 1.5
Blxy > 0.025	track pt > 1.1

- signal is not clear
- need more optimal cut study?



B+ invariant mass spectrum in

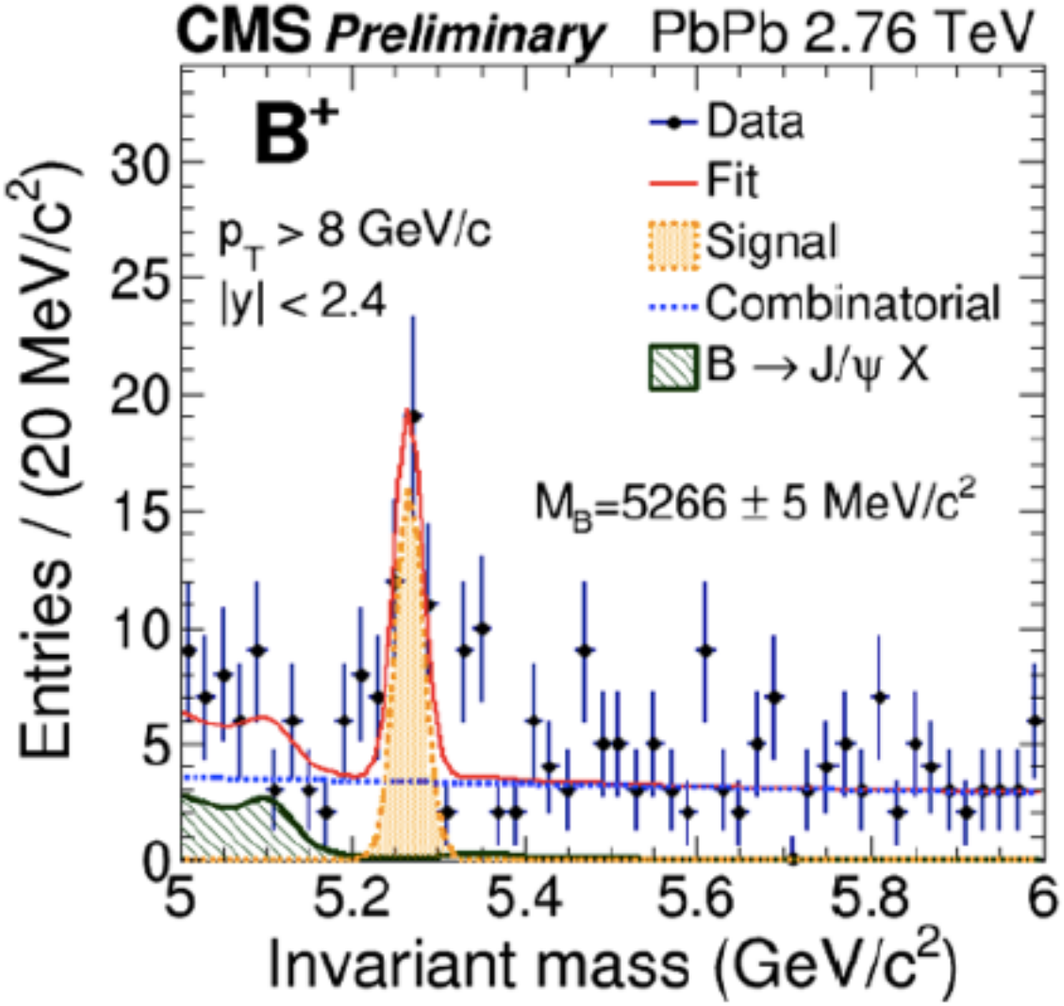


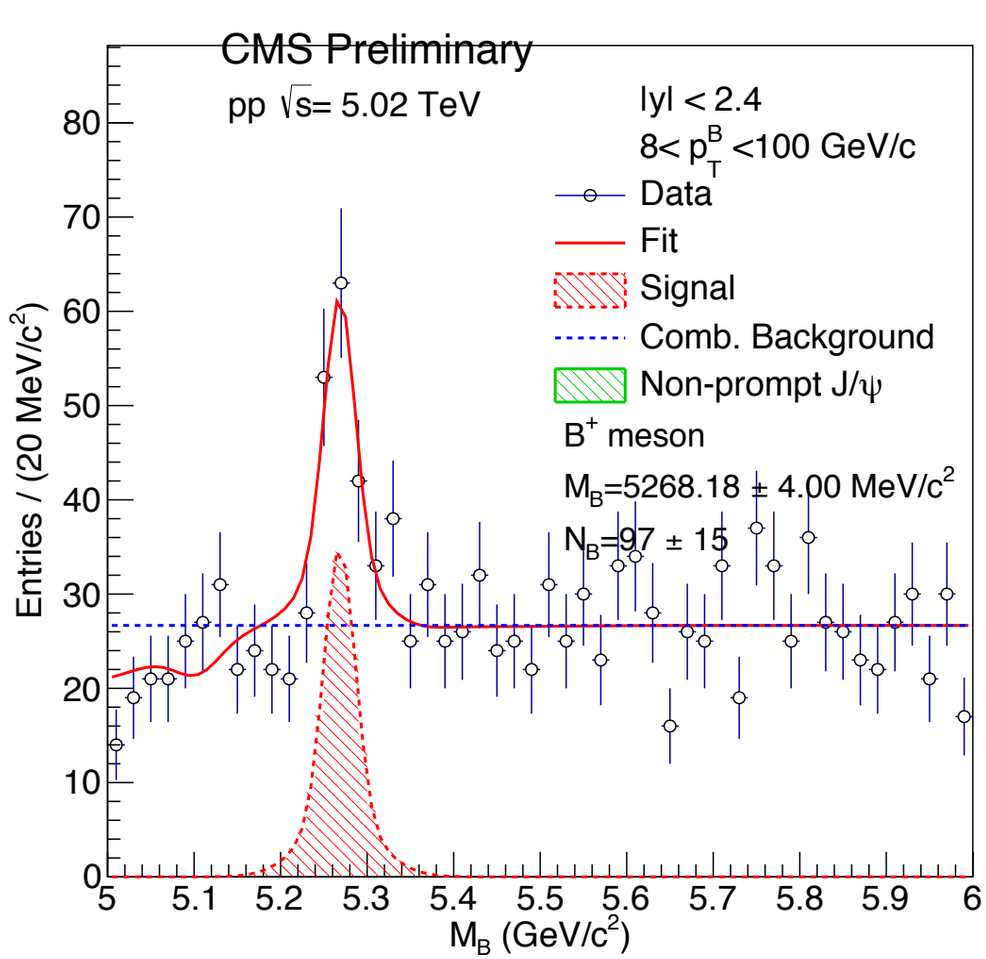
Candidates from Onia skim

- Data: Onia PD A, B, C, D
- Onia skim with track information is located in Korea
- Start from opposite sign onia candidate and match with one charged track
- For the candidates sharing same J/ψ case, most B chi2 probability case is chosen

B chi2 > 0.0132
d0/d0Err > 3.41
cos(alpha) > -0.346

B pt > 8
J/ψ pt> 5
muon pt > 1.5
track pt > 1.1





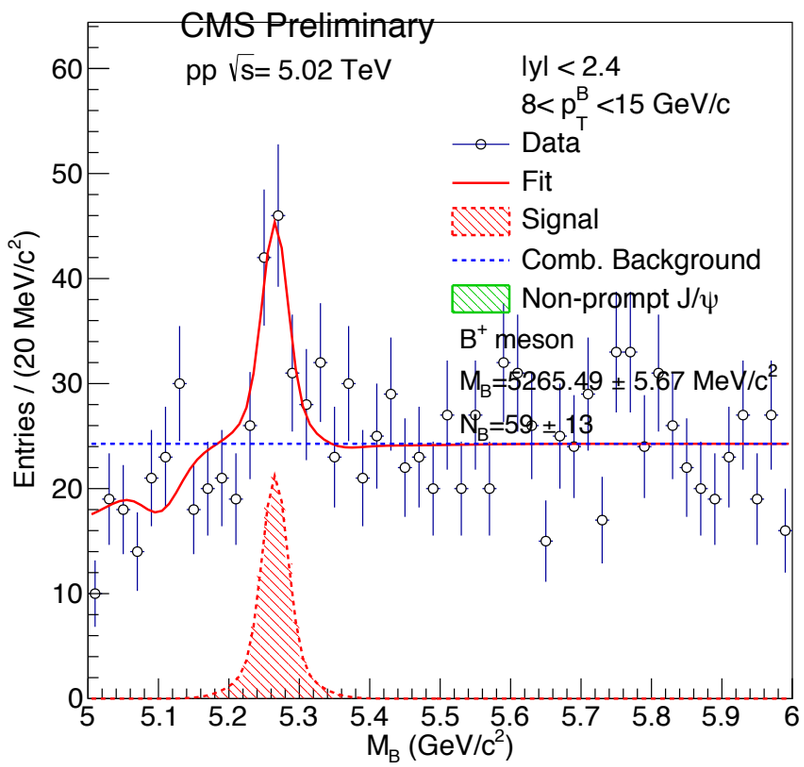
Todo

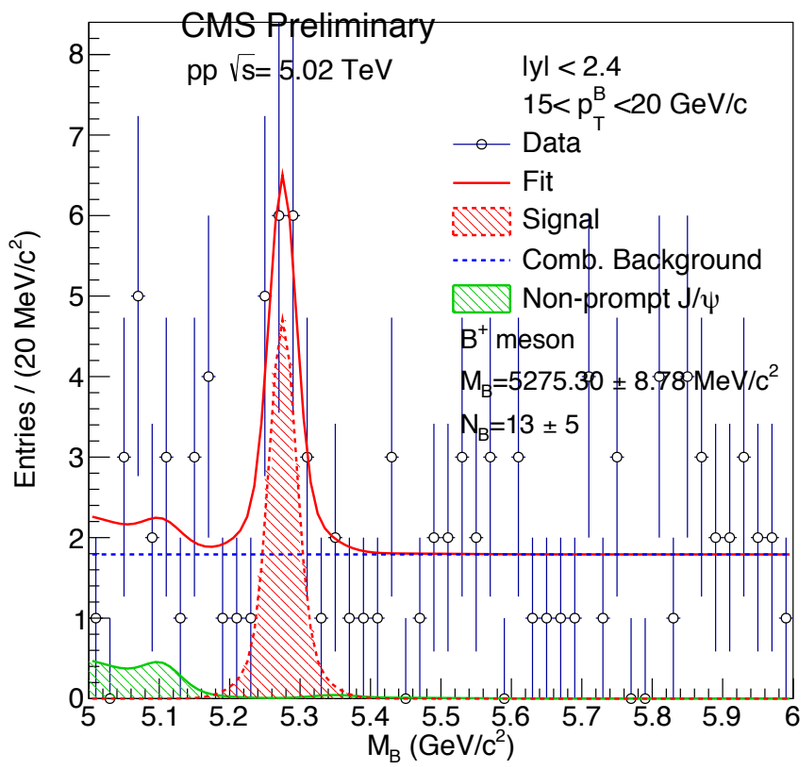
- New PbPb skim is released
- JSON file: /afs/cern.ch/cms/CAF/CMSCOMM/COMM_DQM/certification/Collisions15/HI/Cert_262548-263757_PromptReco_HICollisions15_JSON_MuonPhys_v2.txt
- Global Tag: 75X_dataRun2_v12
- Location: /xrootd/store/user/goni/160323_HIPromptReco**(KISTI)**
- pp
- Location: /xrootd/store/user/goni/PromptReco/DoubleMu_Run2015E-PromptReco-v1_Run_262081_262328_ONIASKIM_160116/DoubleMu/DoubleMu_Run2015E-PromptReco-v1_Run_262081_262328_ONIASKIM_160116/160115_152651/0000**(KISTI)**
- MC(Hyunchul is working on producing B+ MC)

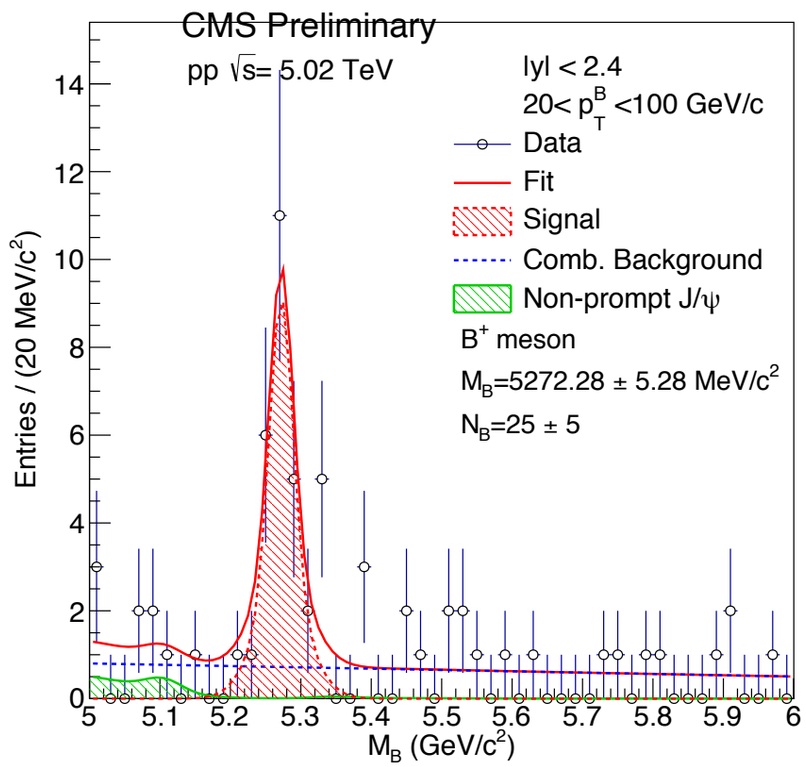
back up

- Onia skim B mass spectrum

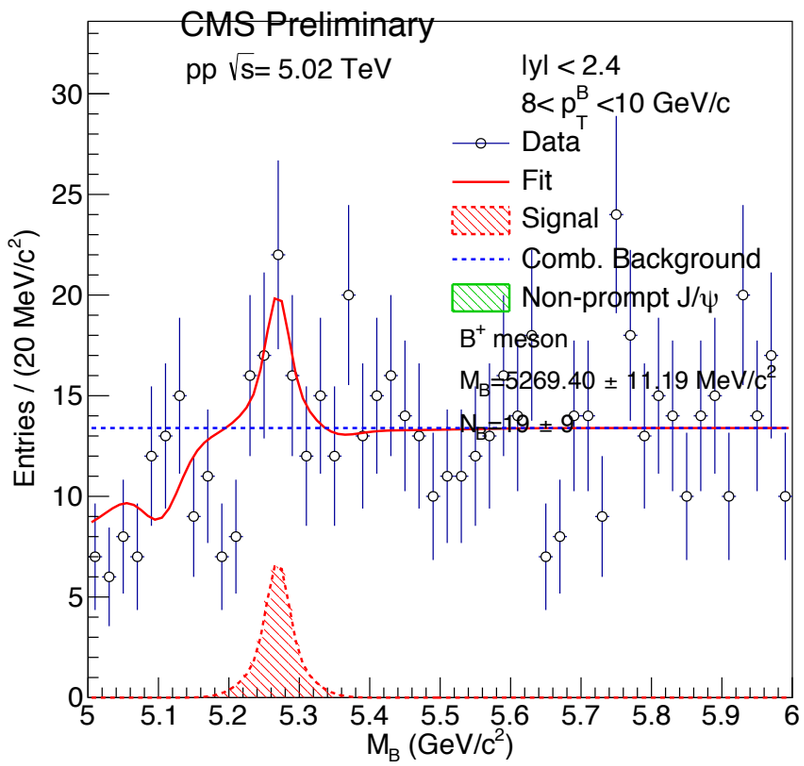
Onia [8, 15, 20, 100]

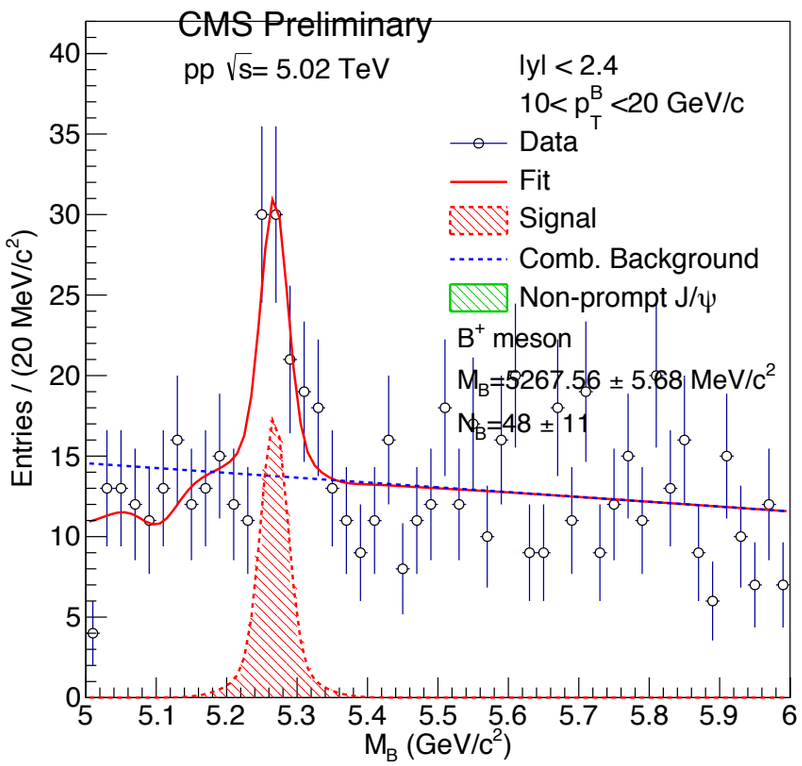


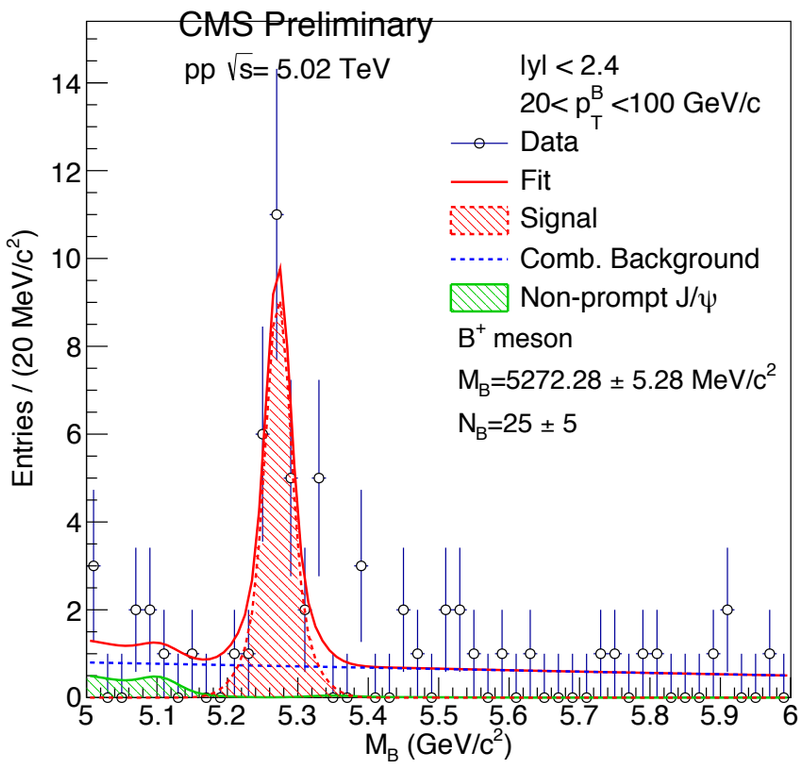




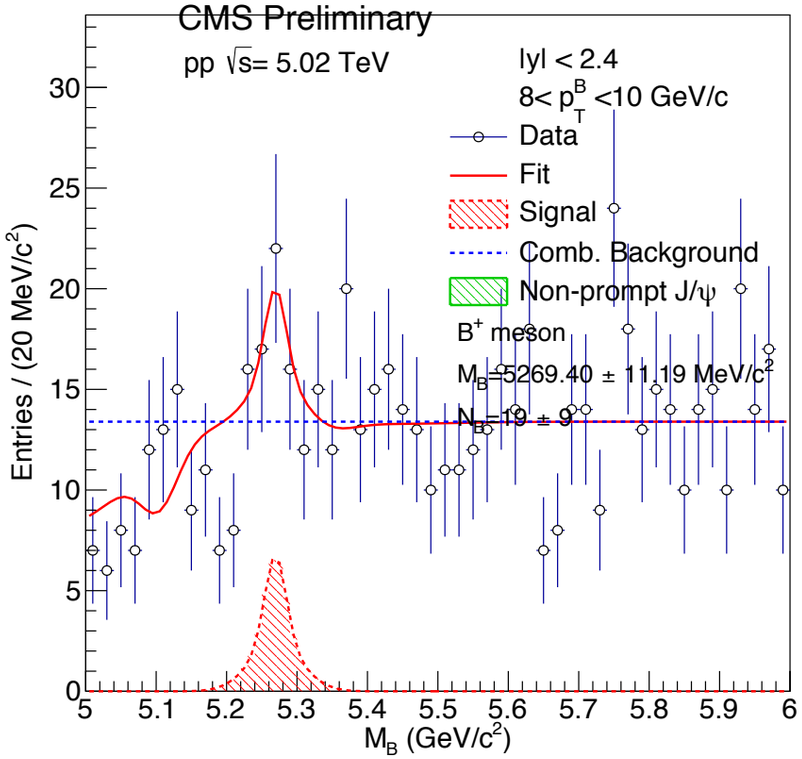
Onia [8, 10, 20, 100]

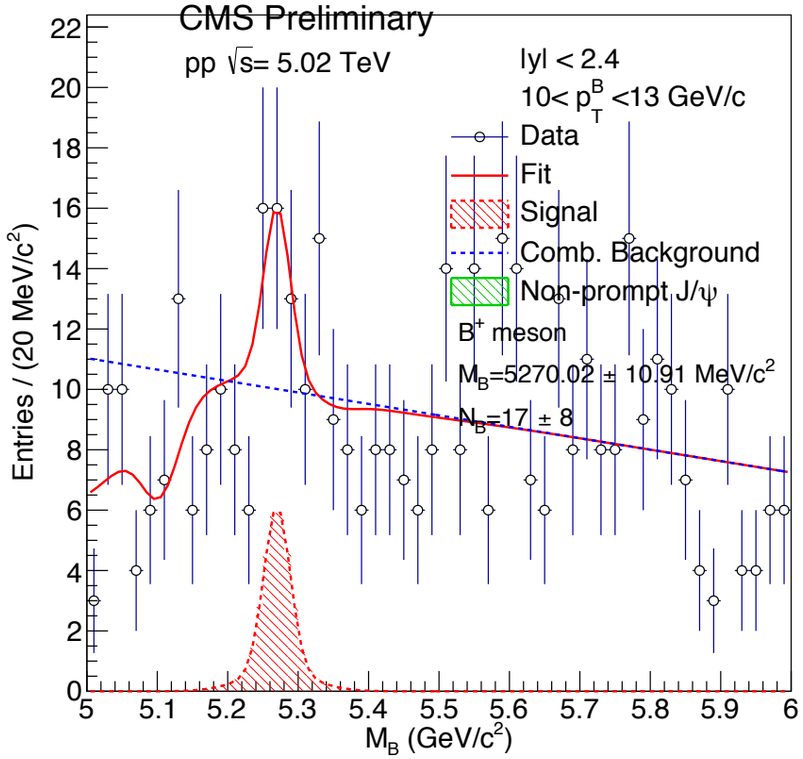


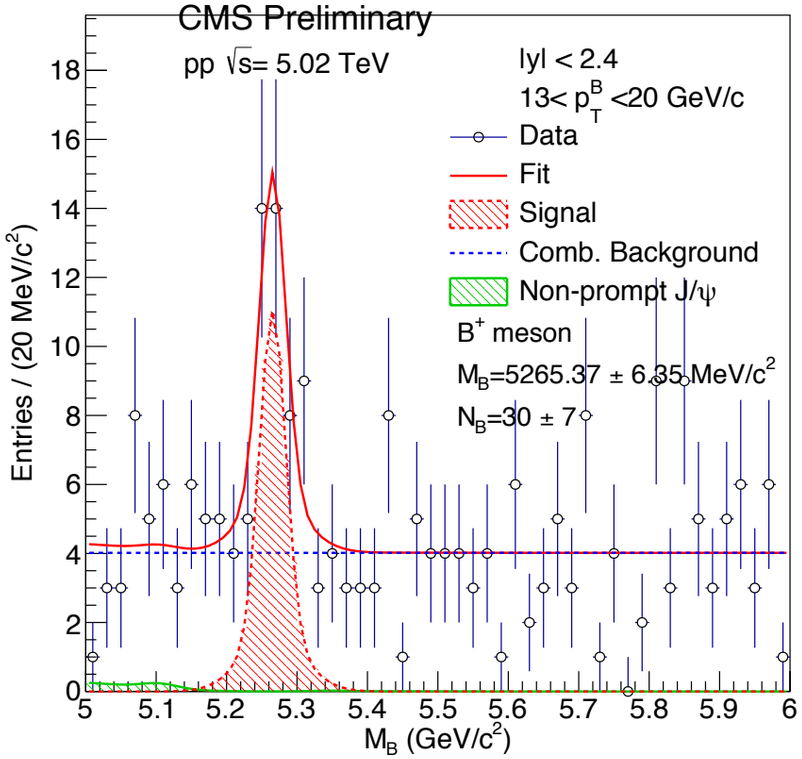


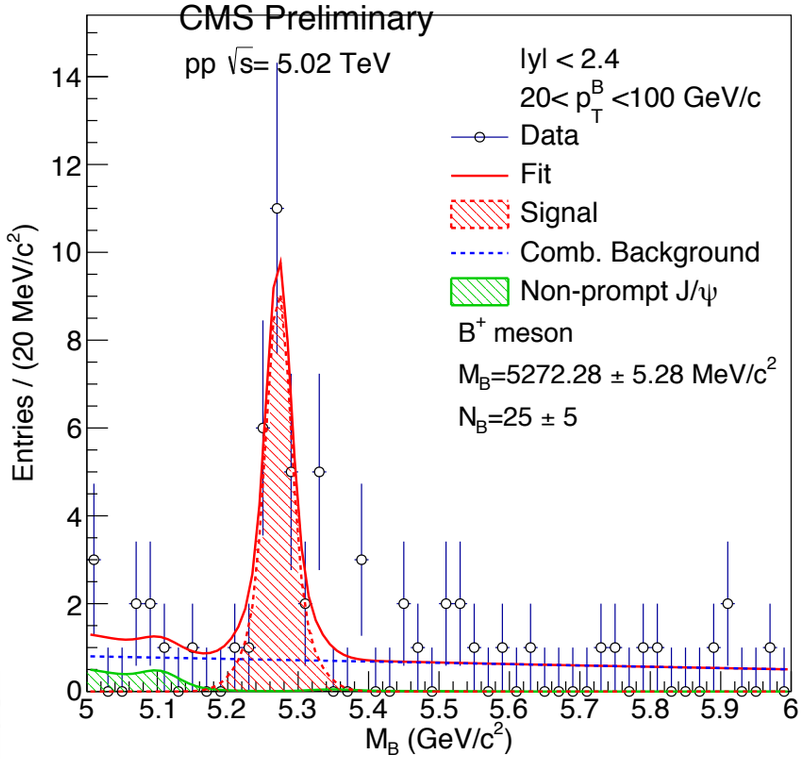


Onia [8, 10, 13, 20, 100]

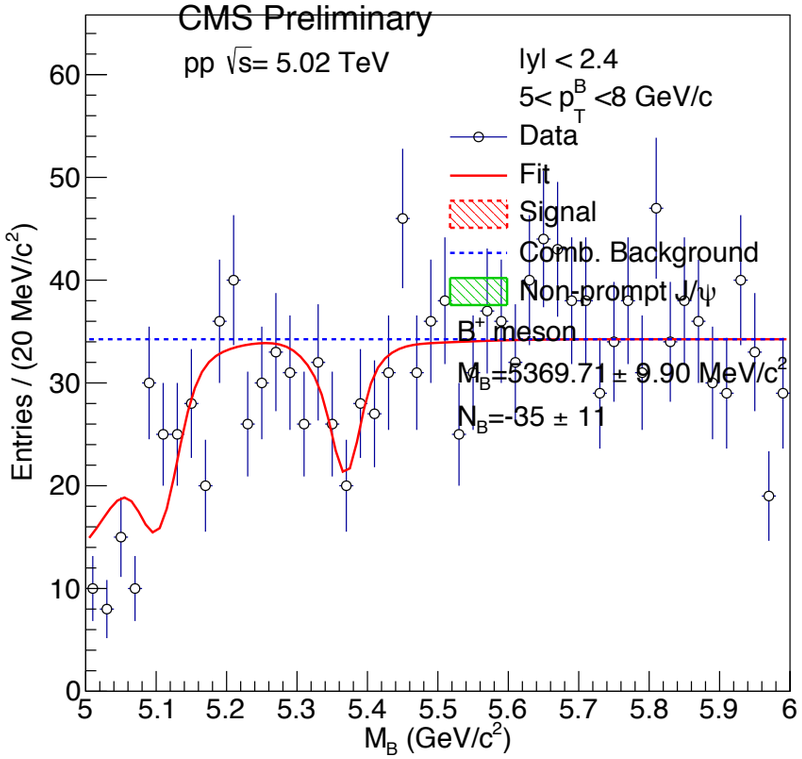


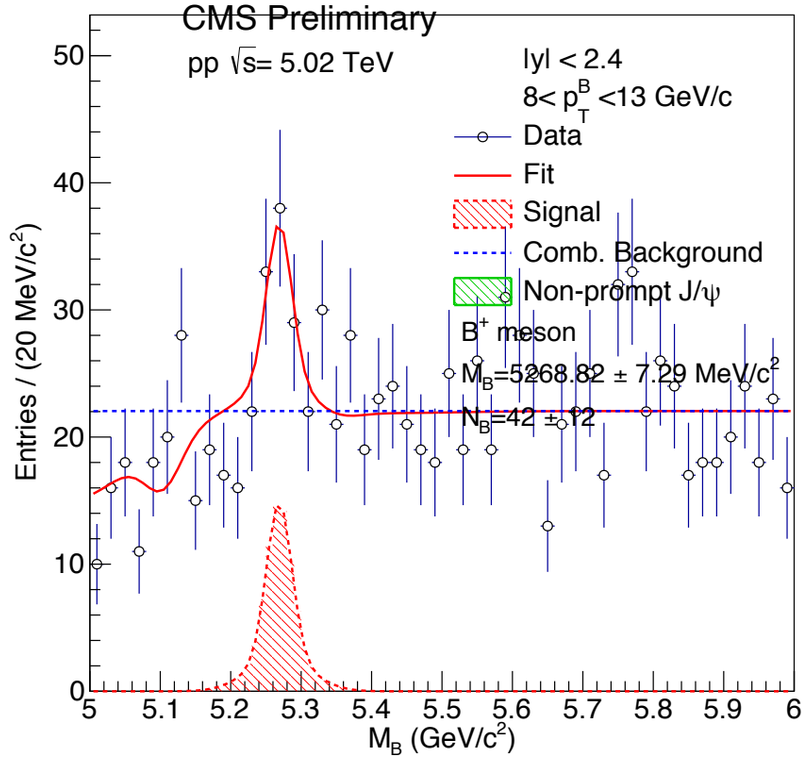


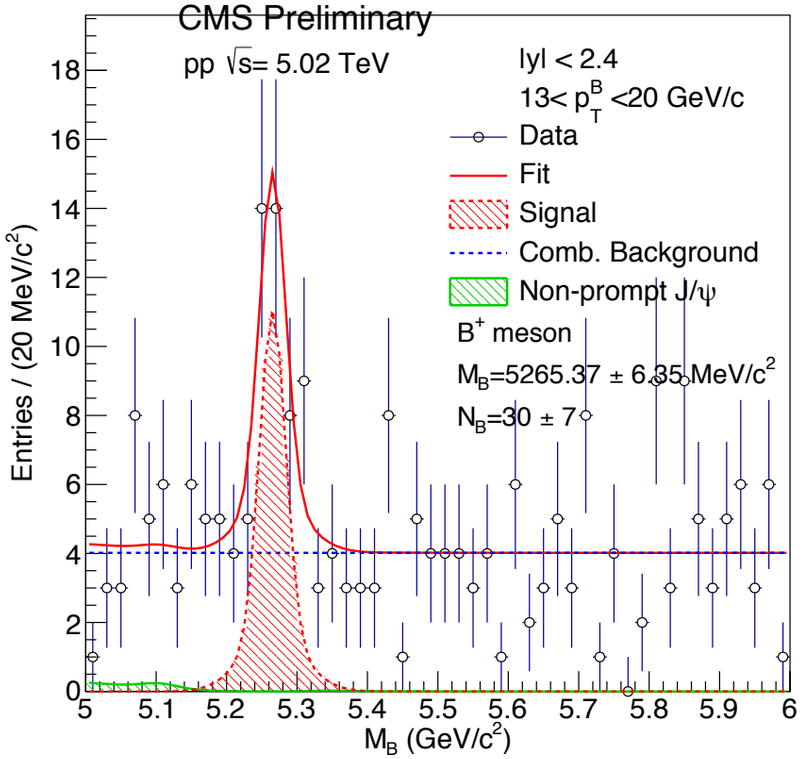


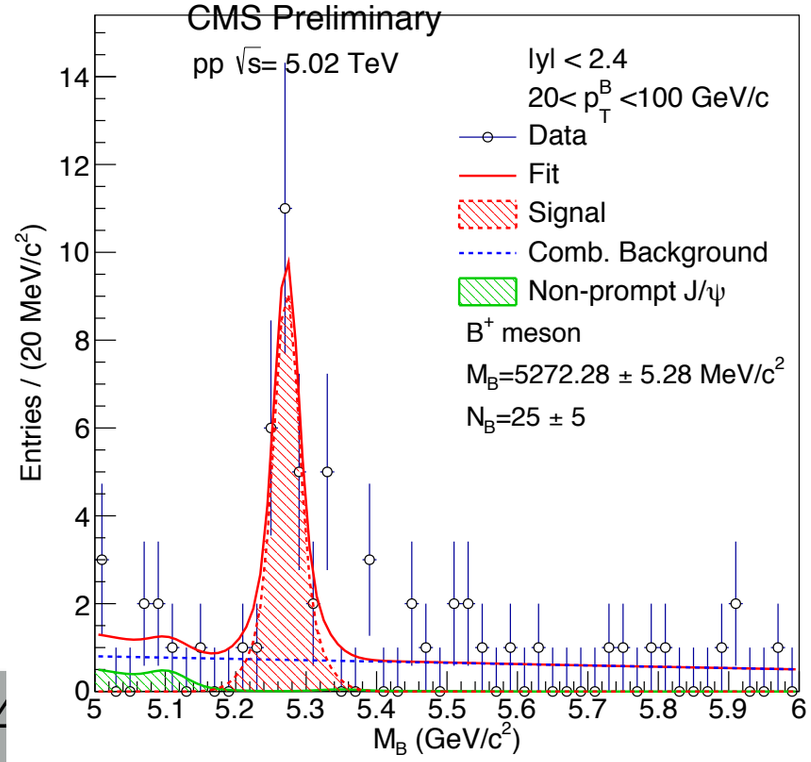


Onia [5, 8, 13, 20, 100]

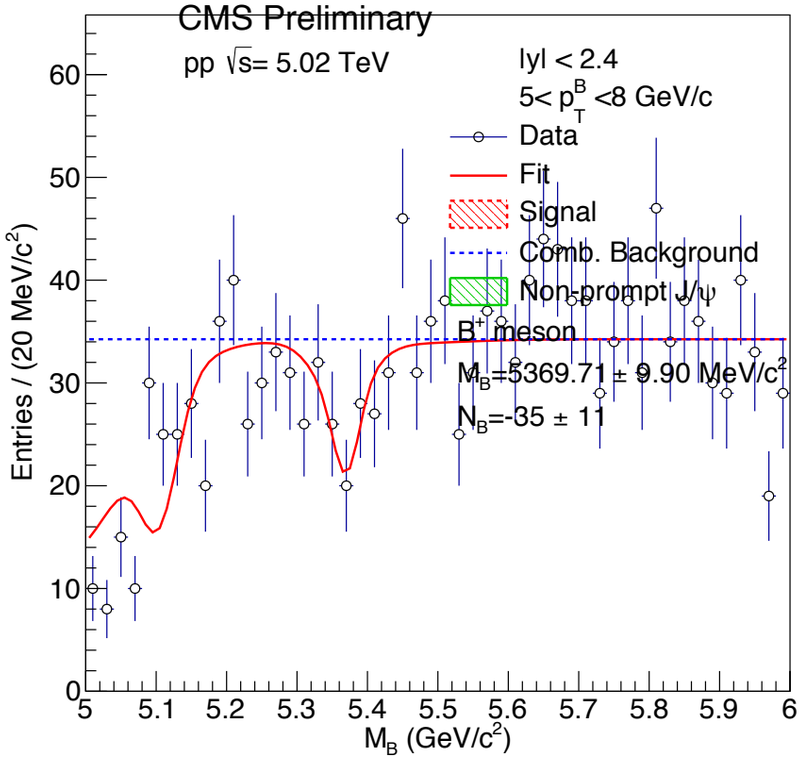


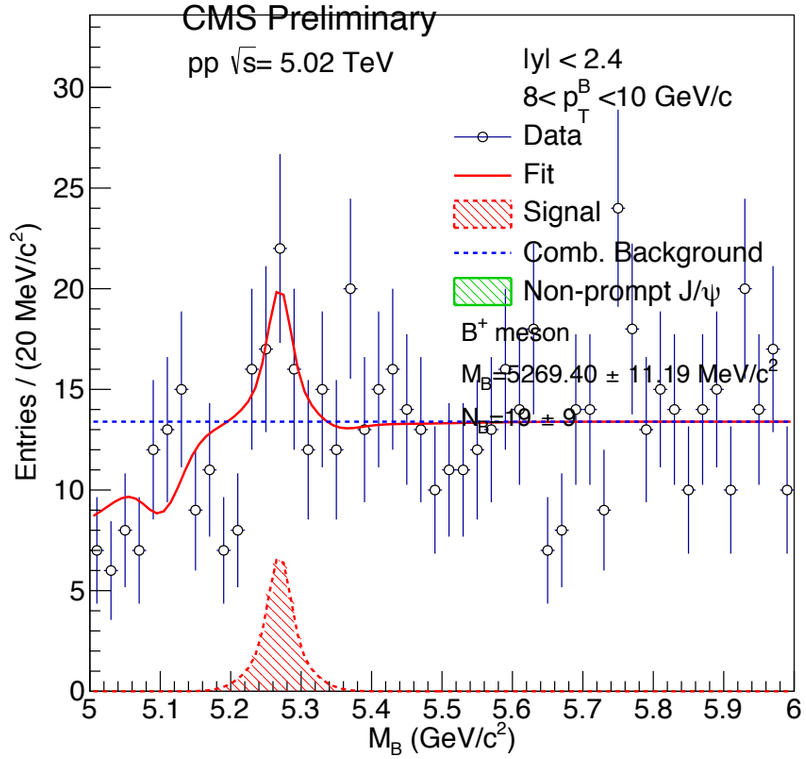


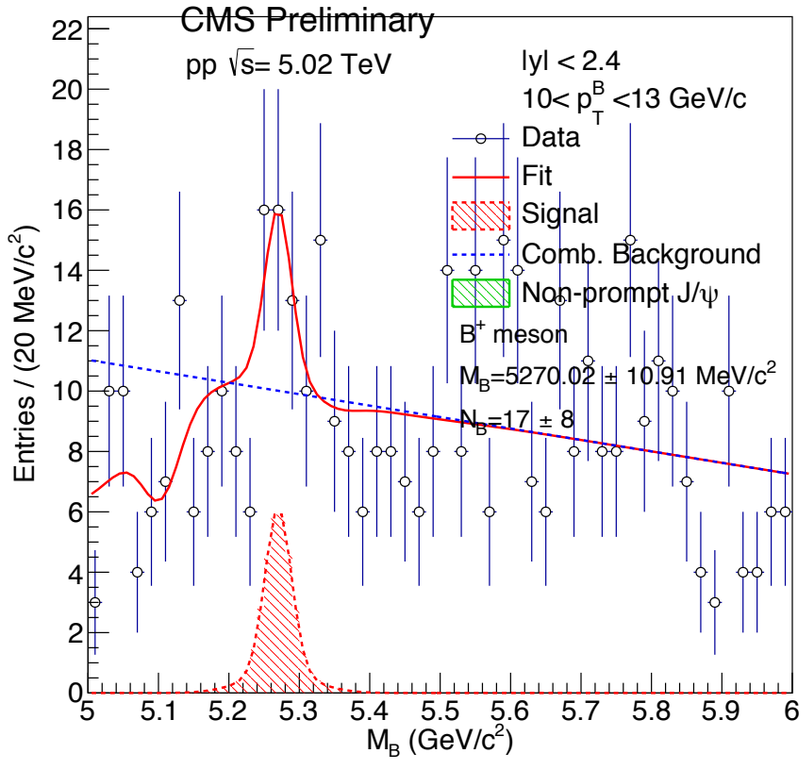


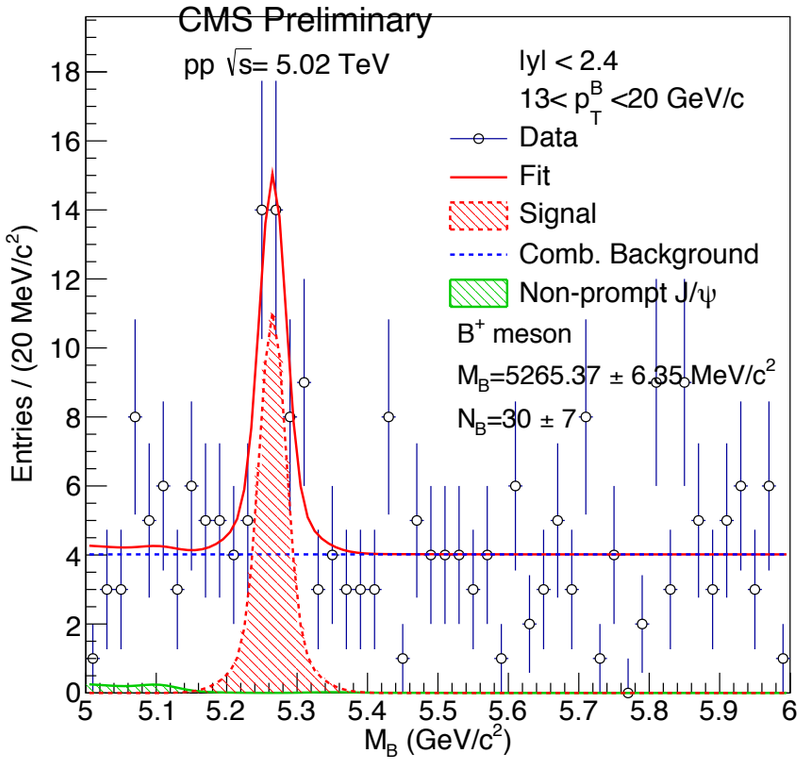


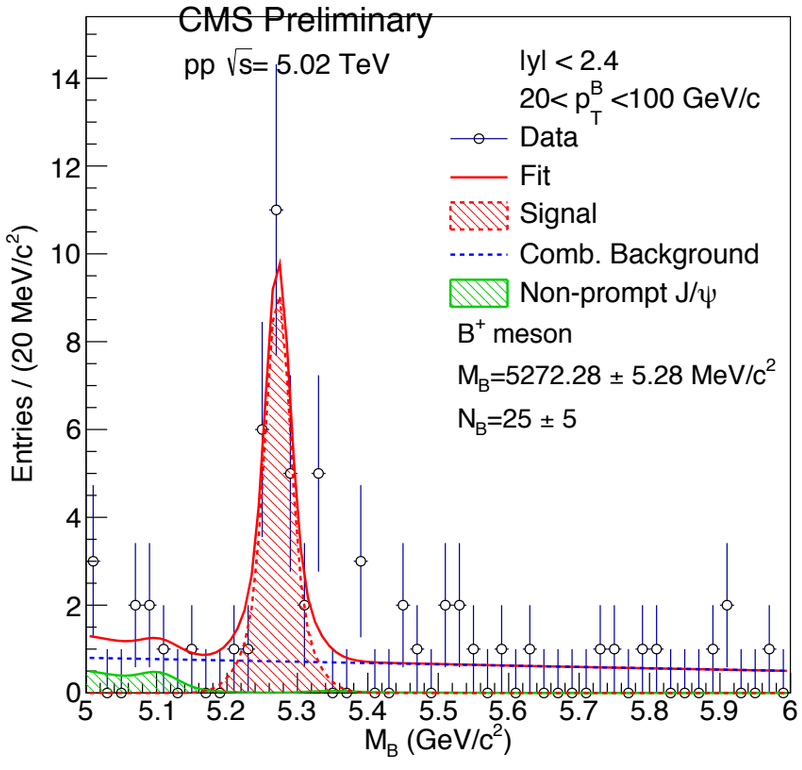
Onia [5, 8, 10, 13, 20, 100]





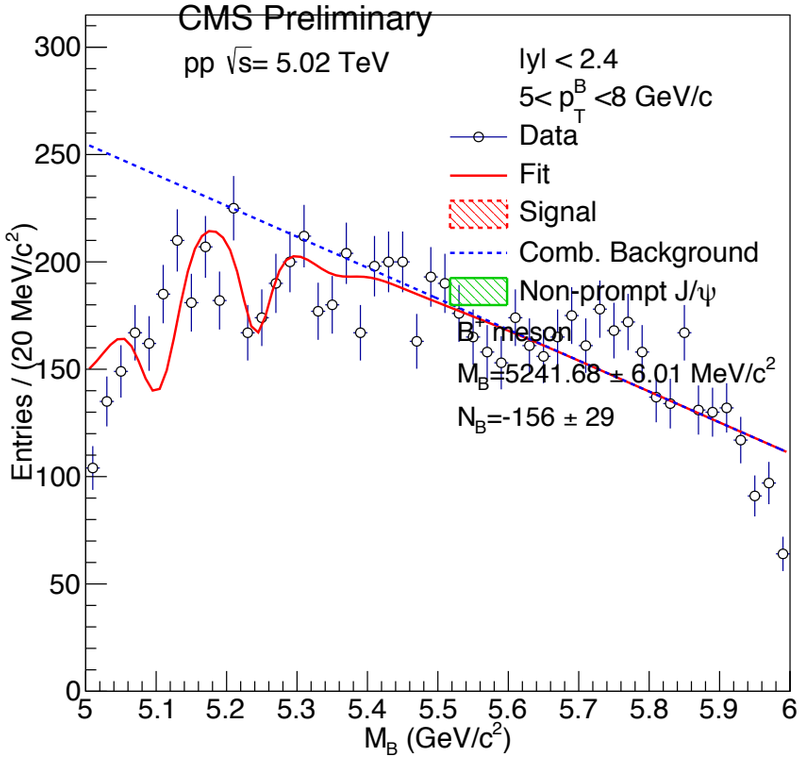


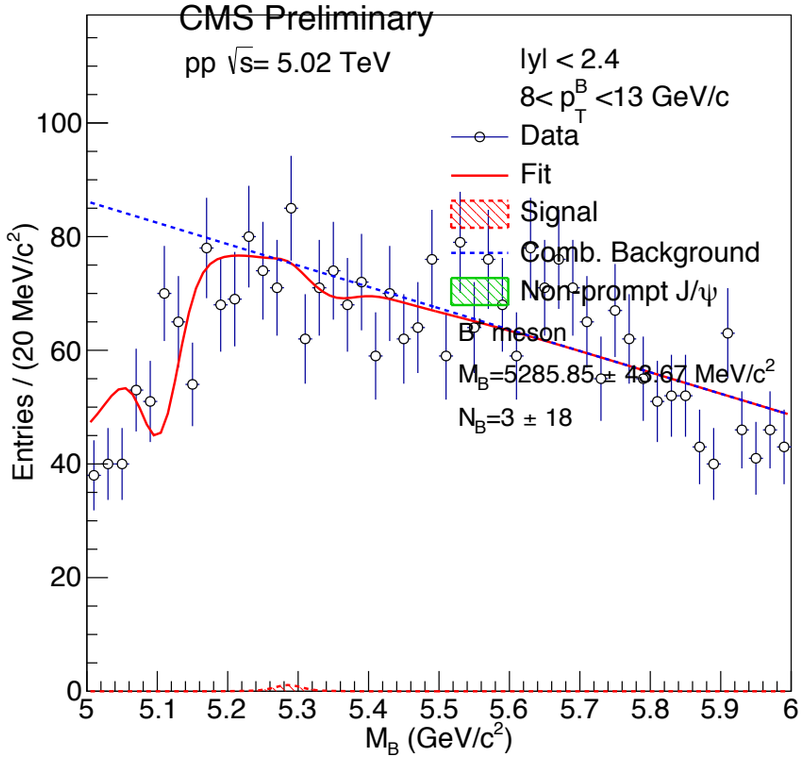


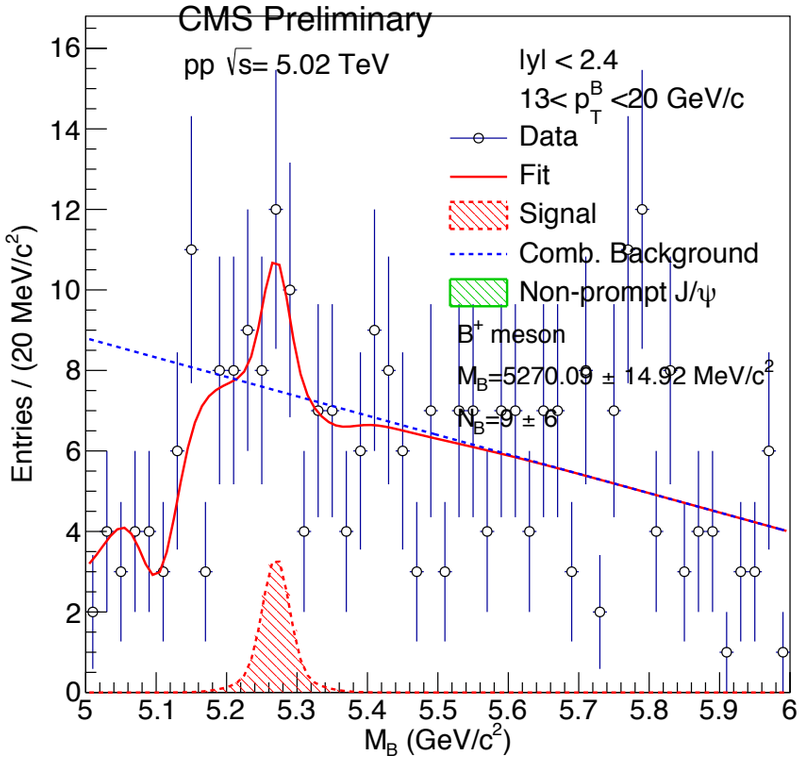


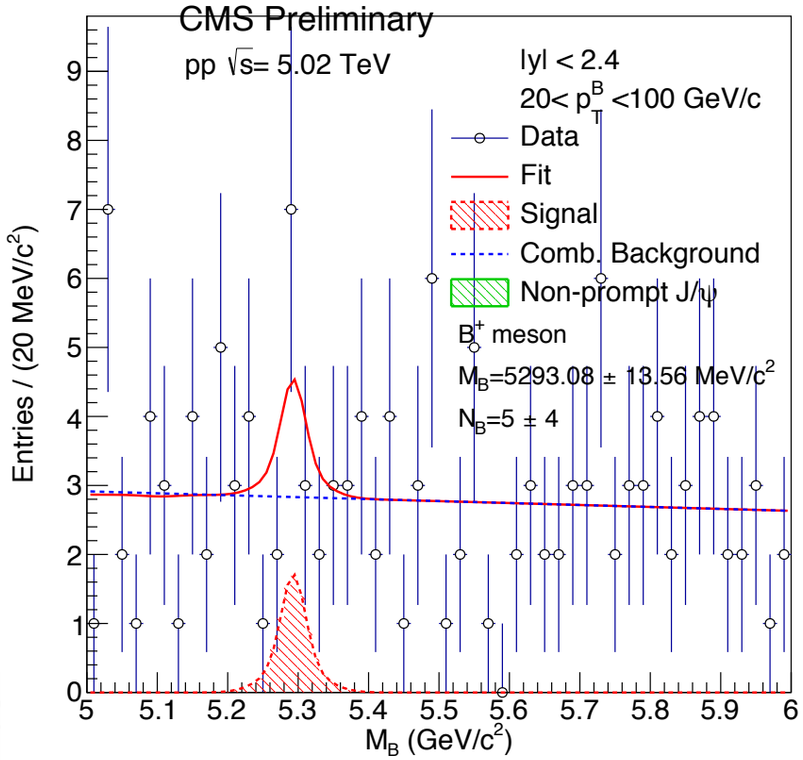
- B finder mass spectrum

Bfinder [5, 8, 13, 20, 100]









- alpha: angle